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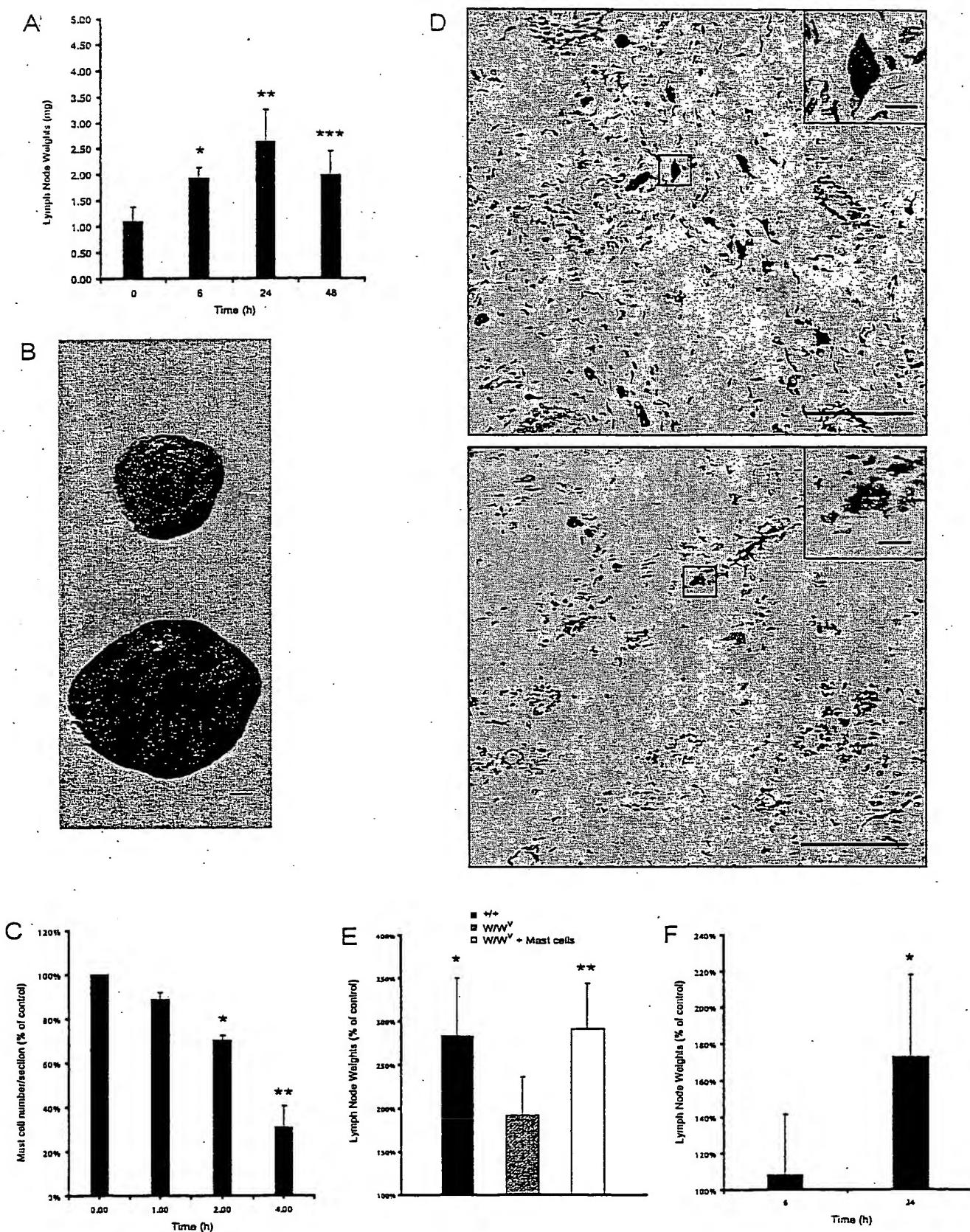


FIG 1

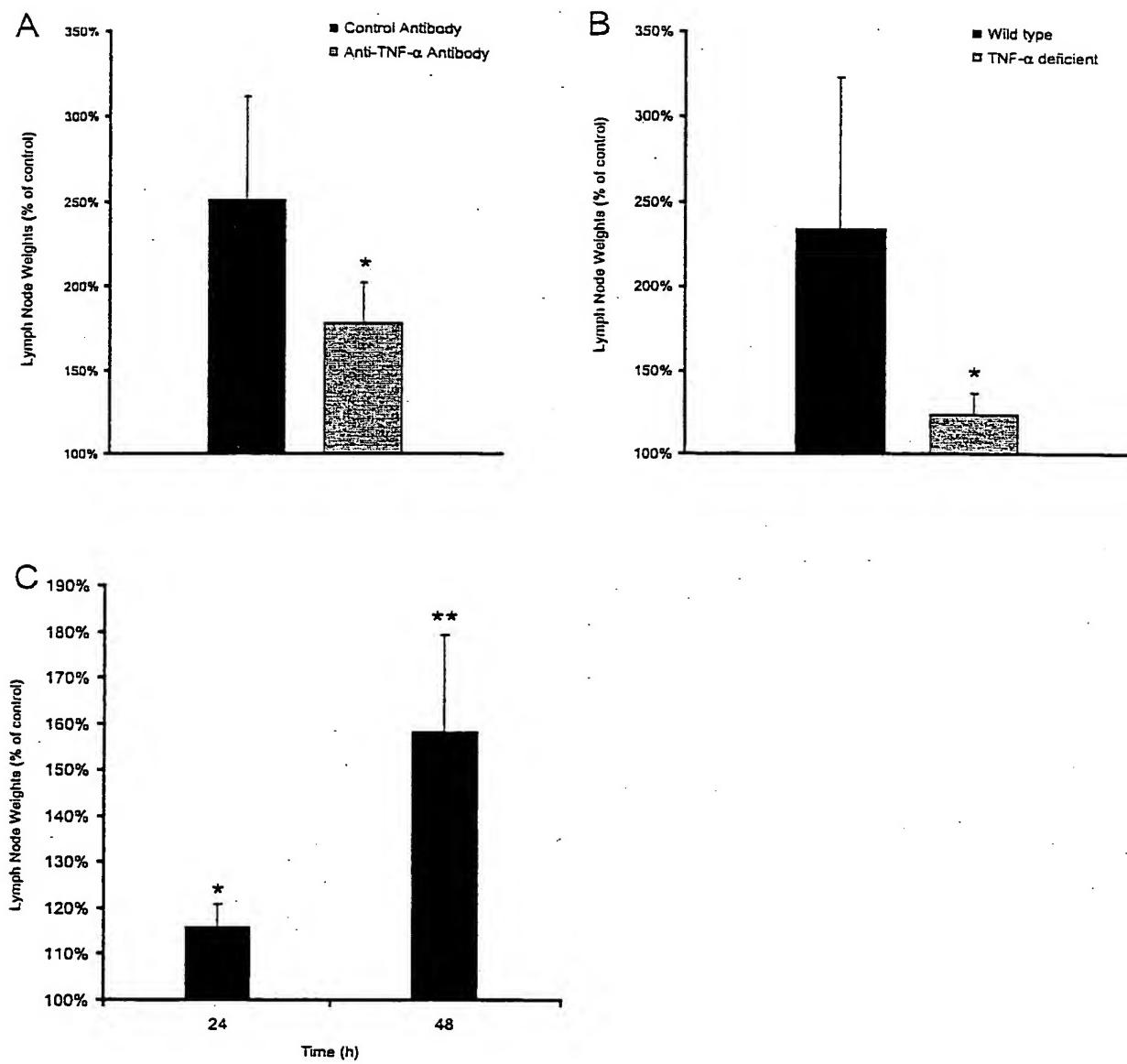
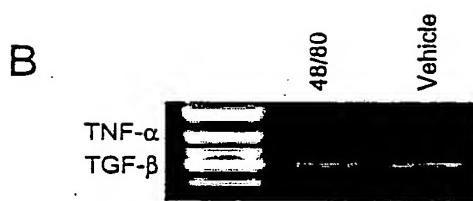
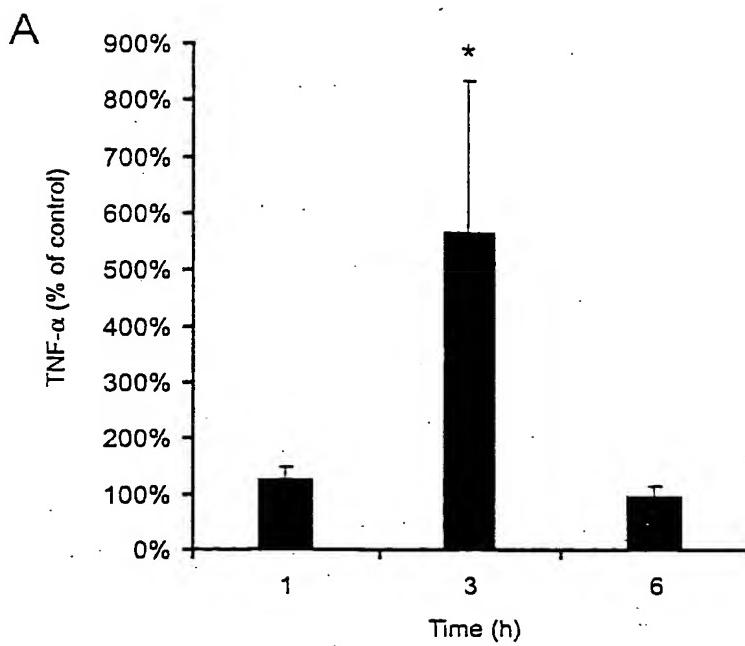


FIG 2



**FIG 3**

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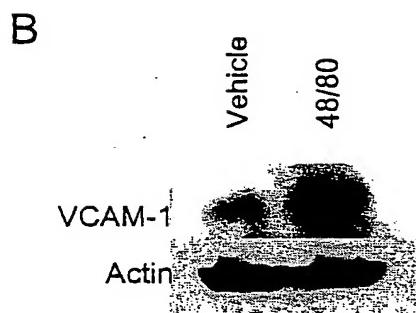
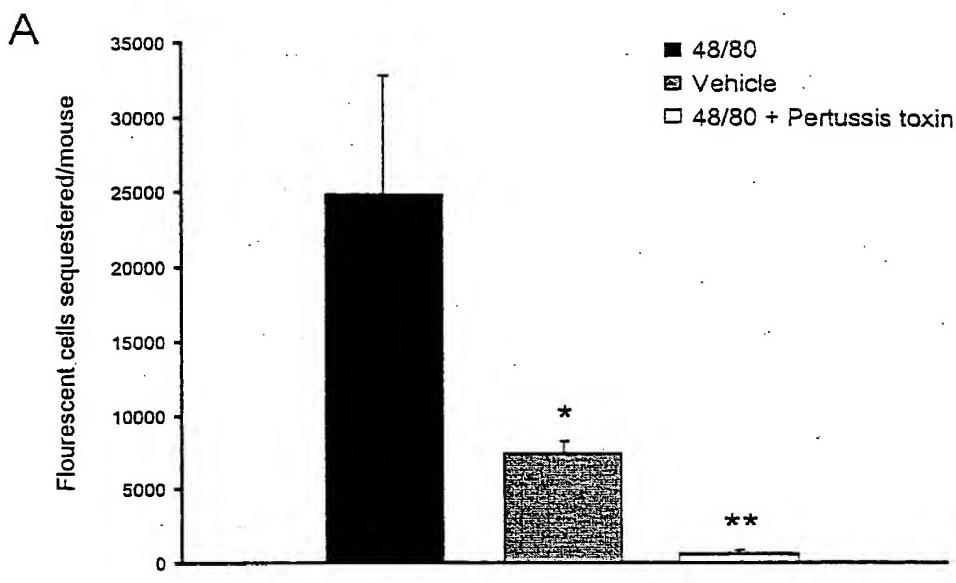
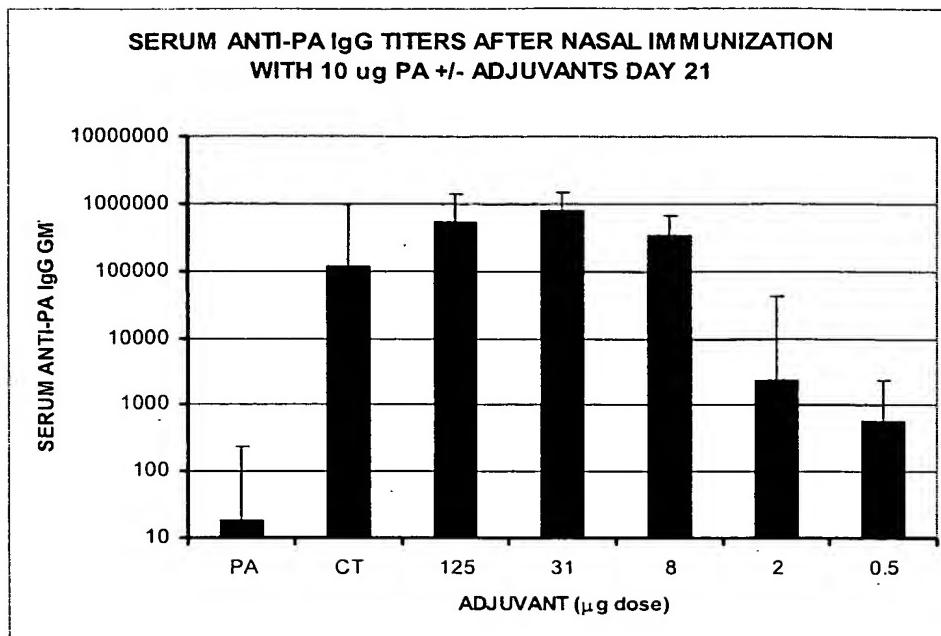
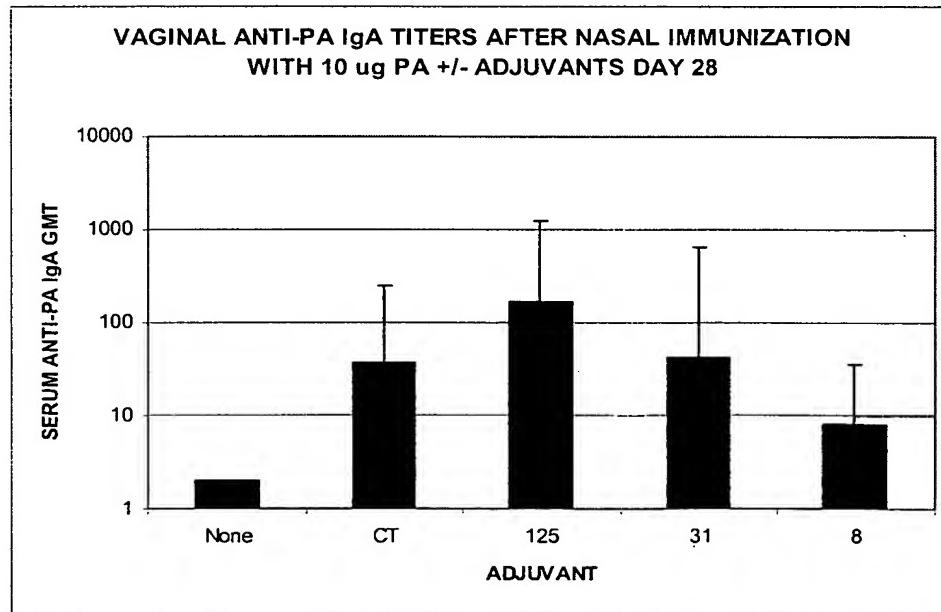


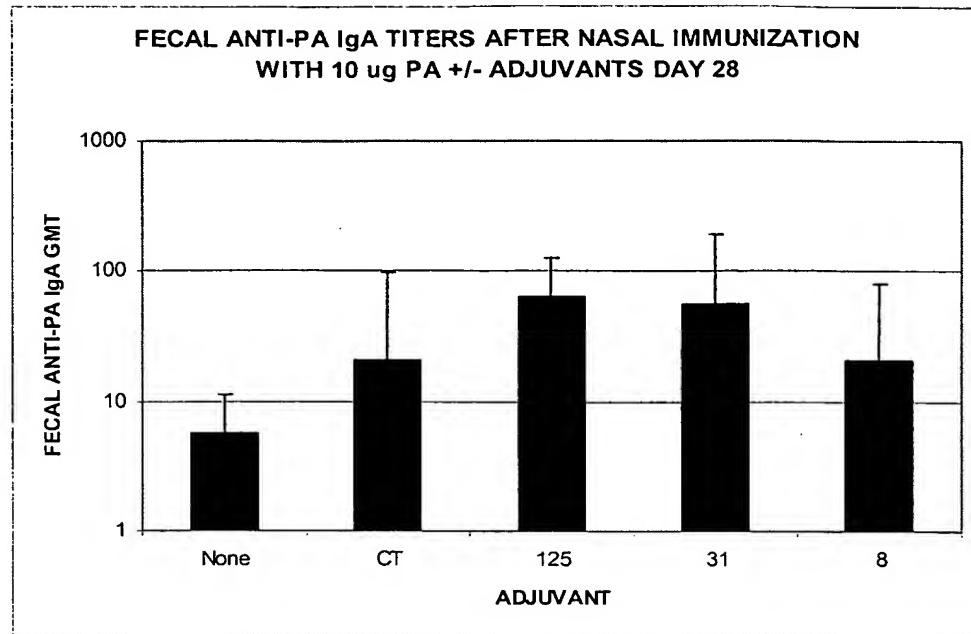
FIG 4



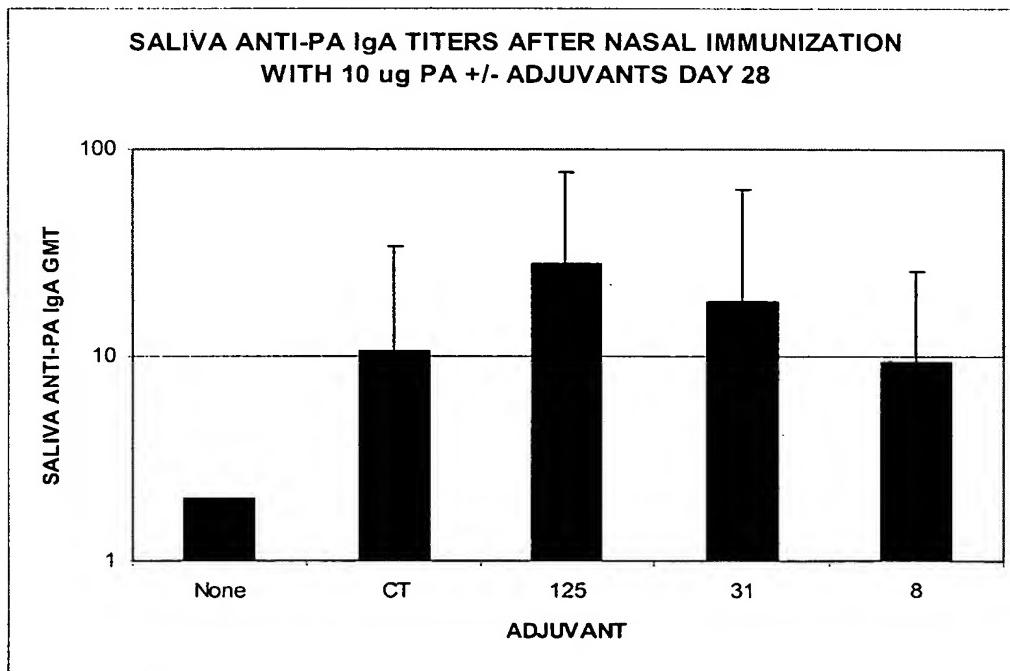
**Fig 5A.** P-values for adjuvant activity compared to PA alone: CT = 0.0000002; 48/80, 125 $\mu\text{g}$  = 0.000001; 48/80, 31 $\mu\text{g}$  = 0.0000006; 48/80, 8 $\mu\text{g}$  = 0.000000007; 48/80, 2 $\mu\text{g}$  = 0.005; 48/80, 0.5 $\mu\text{g}$  = 0.02



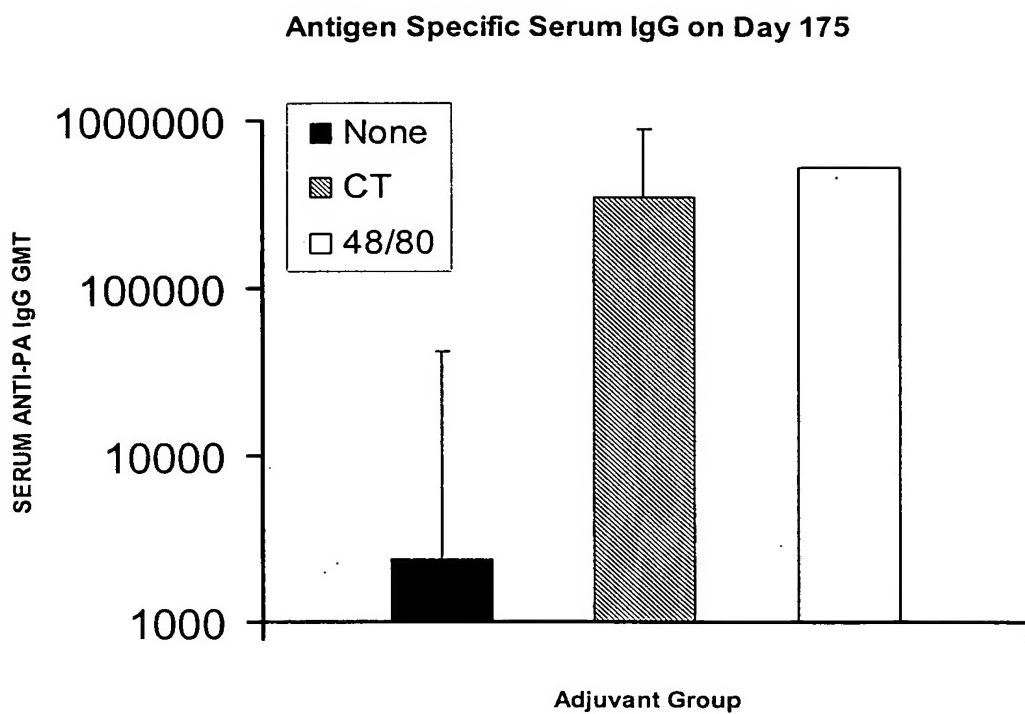
**Fig 5B.** P-values for adjuvant activity compared to PA alone: CT = 0.009; 48/80, 125 $\mu\text{g}$  = 0.001; 48/80, 31 $\mu\text{g}$  = 0.04; 48/80, 8 $\mu\text{g}$  = 0.07.



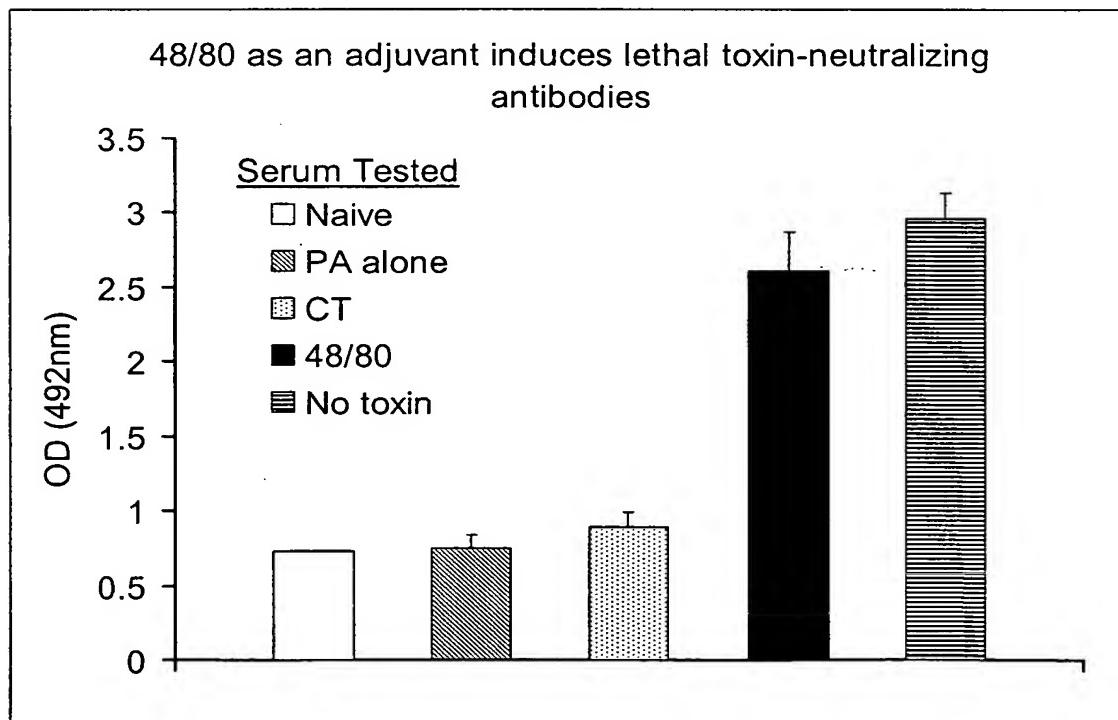
**Fig 5C.** P-values for adjuvant activity compared to PA alone: CT = 0.02; 48/80, 125 $\mu$ g = 0.001; 48/80, 31 $\mu$ g = 0.01; 48/80, 8 $\mu$ g = 0.12



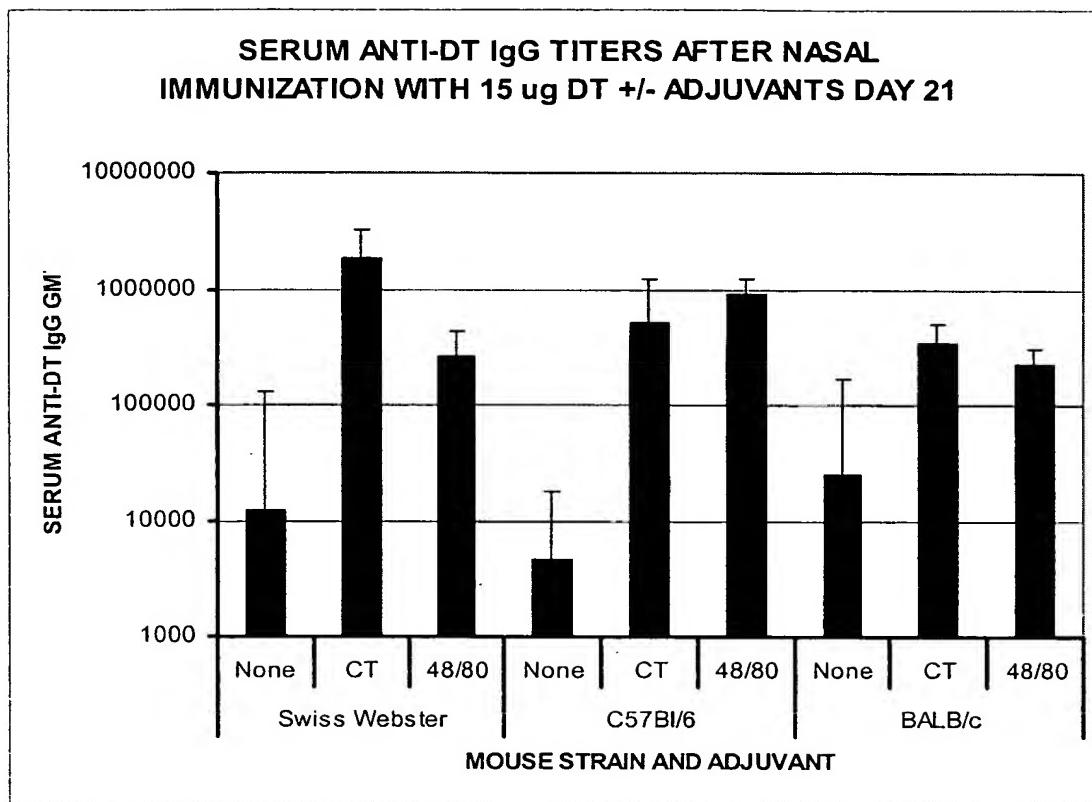
**Fig 5D.** P-values for adjuvant activity compared to PA alone: CT = 0.02; 48/80, 125 $\mu$ g = 0.001; 48/80, 31 $\mu$ g = 0.01; 48/80, 8 $\mu$ g = 0.02



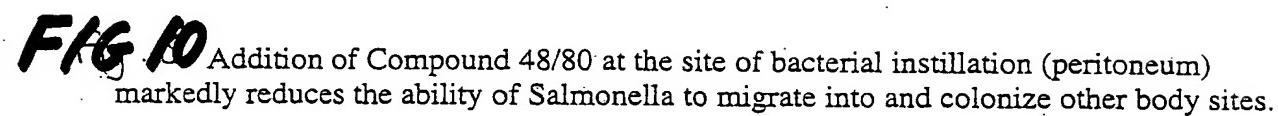
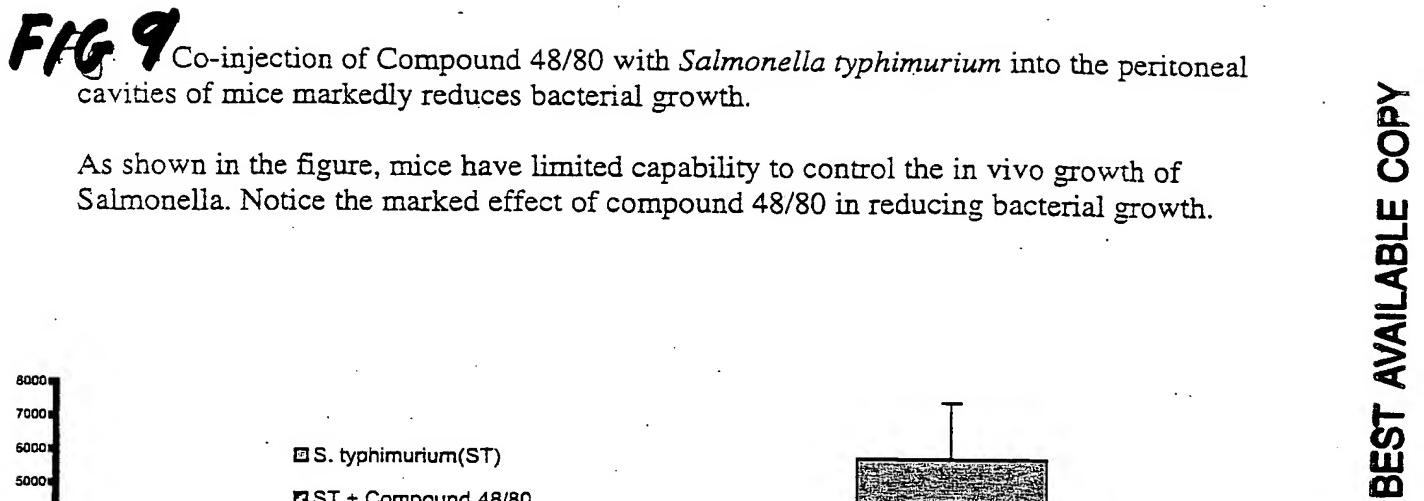
**Fig 6.** P-values for adjuvant activity compared to PA alone: CT = 0.006; 48/80, 8 $\mu$ g = 0.003.



**Figure 7**



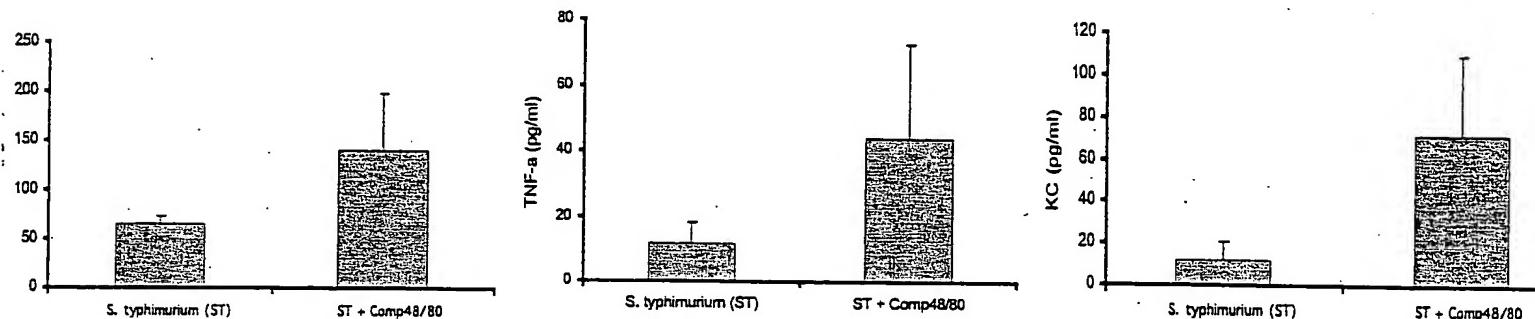
**Fig. 8.** P-values for adjuvant activity compared to DT alone: *Swiss Webster*: CT = 0.002; 48/80 = 0.02; *C57Bl/6*: CT = 0.0002; 48/80 = 0.00003; *BALB/c*: CT = 0.02; 48/80 = 0.03.



This figure shows effect of compound 48/80 on systemic spread of *Salmonella* to other more distal sites.

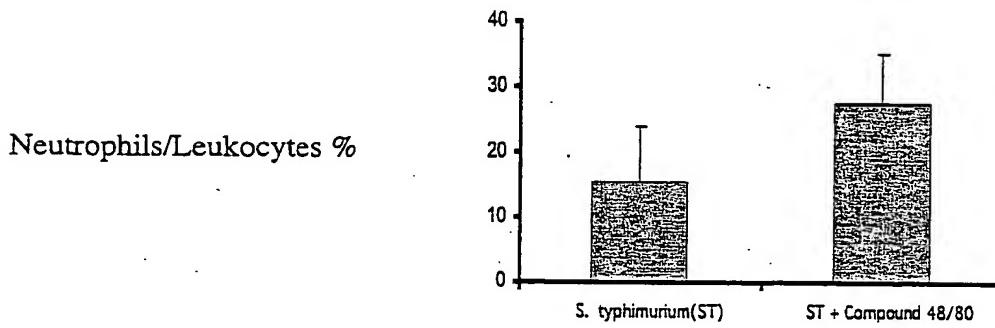
## FIG 11

Addition of Compound 48/80 at sites of infection (peritoneal cavity) markedly increases local production of several neutrophil chemoattractants. Each of these chemoattractants is typically produced by activated mast cells.



## FIG 12

Instillation of compound 48/80 into the peritoneal cavities of mice results in increased recruitment of neutrophils compared to controls instilled only with *Salmonella*



The increased levels of neutrophils in 48/80 treated mice correlates with increased presence of mast cell chemoattractants (Fig. 3). This data also correlates with increased bacterial clearance in 48/80 treated mice (Fig. 1). Note that neutrophils represent the major cell type responsible for clearance of *Salmonella*.

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Protective effect of compound 48/80 when given orally to *Salmonella* infected mice.  
The agent was given 2 hrs after lethal dose of *Salmonella* was orally instilled.

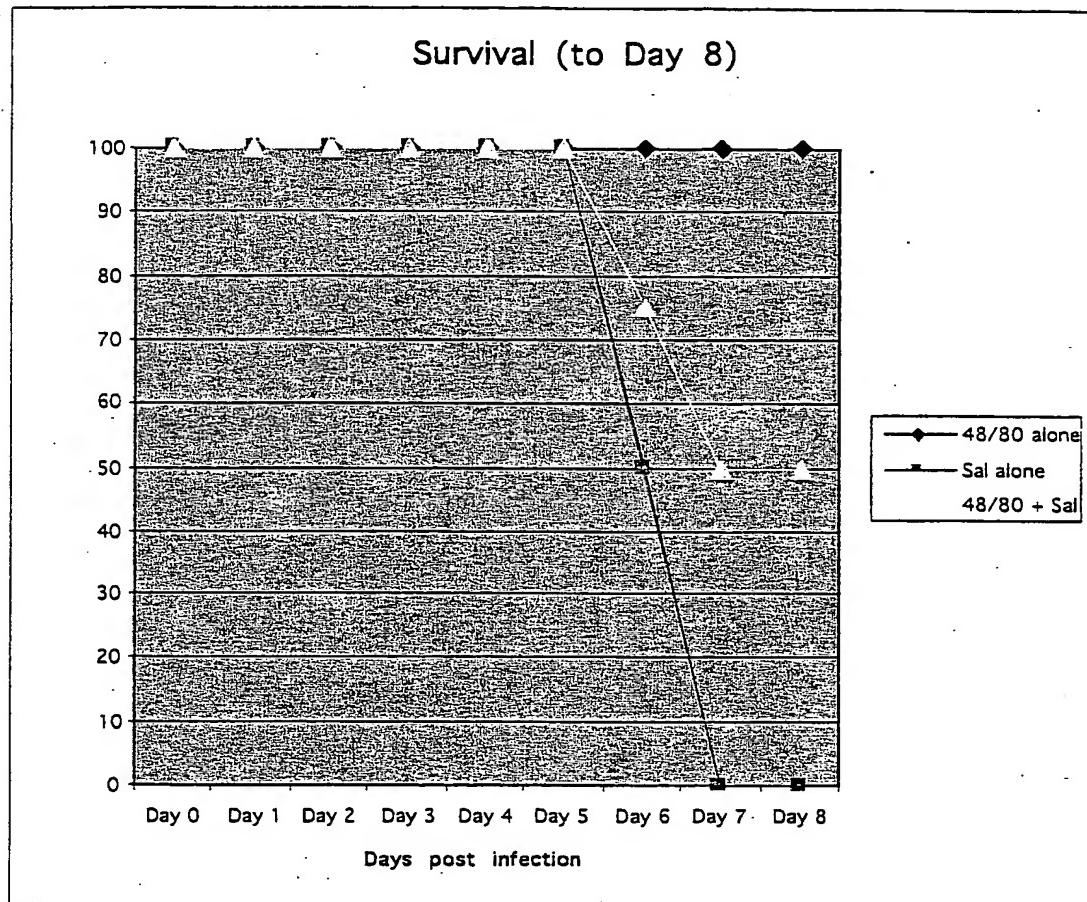


FIG 13